

Workshop Questions



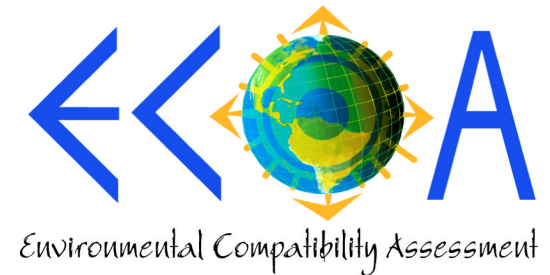
1. What are the impacts of aviation noise and emissions on the environment?
2. How do you believe those impacts may affect the growth of aviation?
3. Must the growth of aviation lead to increased environmental impact?
4. What is the relationship of NASA's noise and emissions goals to aviation's impact on the environment?

1. What are the impacts of aviation noise and emissions on the environment?



- Scenarios offered for growth of aviation noise and emissions.
 - Demand
 - Technology advancement
- Workshop considered plausibility, aggressiveness, etc.
- Basis for objectives in gap analyses.

2. How do you believe those impacts may affect the growth of aviation?



- General agreement that aviation should be allowed to grow.
- Wide range of mitigation possible.
- Policy makers must determine what makes sense:
 - Scientific assessment of need.
 - Technical feasibility.
 - Economic reasonableness.

3. Must the growth of aviation lead to increased environmental impact?



- In short to medium term, scenarios indicate that aircraft noise and emissions are likely to increase.
- In far term:
 - It appears that noise levels can be lowered, but significant “invention” will be required.
 - Carbon fuels likely to result in increased emissions of CO₂, NO_x, etc.
 - Alternate fuels/propulsion system necessary to stop growth of emissions?

4. What is the relationship of NASA's noise and emissions goals to aviation's impact on the environment?

- Let's discuss!

